

Sub C1  
B2

7. (TWICE AMENDED) A path setting control method of securing bandwidth for multiple paths to provide a service from a service provider to a subscriber via a switching system, comprising:

sending a request message for a first path from the subscriber to the switching system, the request message including bandwidth information for the multiple paths to provide the service for a subscriber, where a channel type of each path is different; and

securing a bandwidth based on the bandwidth information in the request message for the first path between the service provider and the subscriber when the request message for the first path is received at the switching system.

B3

9. (TWICE AMENDED) A switching system for setting multiple paths for a service provided from a service provider to a subscriber, comprising:

an extraction device to extract messages from a subscriber;

a message determination device to determine whether the message extracted by the message extraction device is a request message for a first path between the service provider and the subscriber, the request message including bandwidth information for a plurality of paths for the service, where a channel type of each path is different; and

a bandwidth securing and processing device to secure a bandwidth based on requested bandwidth information set in the request message in response to receiving the request message for the first path.

B4

13. (TWICE AMENDED) A path setting device to secure bandwidth for multiple paths to provide a service from a service provider to a subscriber, comprising:

means for determining whether a received message is a request message;

means for determining whether a number of request messages received from the same subscriber reaches a number of paths set in the request message for the first path, where a channel type of each path is different;

means for securing a bandwidth required for all paths set to provide the service for the subscriber between the service provider and the subscriber when the number of request messages received from the same subscriber reaches the number of paths set in the request

Serial No 09/382,458

required to provide the service, where a channel type of each path is different; and  
securing the bandwidth required between the service provider and the subscriber in order  
of large bandwidth to small bandwidth in response to the request message.

17. (UNAMENDED) A subscriber terminal in a network which is provided a service  
via a switching system using multiple paths from a service provider, comprising:  
a path selecting device to select an unconnected path having a bandwidth which is  
largest among paths to provide a requested service;  
a message transmitting device to transmit a request message to set the path selected by  
said path selecting device to the switching system; and  
a received message processing device to determine whether there are any paths which  
have to be set, and to instruct the path selecting device to select the path having the largest  
bandwidth among the remaining paths to provide the service when there is any path which has  
to be set.

70/ 18. (NEW) A method according to claim 16, wherein a channel type corresponds to a  
type of service provided by a channel of the path.

message for the first path.

Sub C1  
B&M  
14. (ONCE AMENDED) A path setting control method of securing bandwidth for multiple paths to provide a service from a service provider to a subscriber via a switching system, comprising:

sending a request message for a first path from the subscriber to the switching system, in which a number of paths required to provide the service for a subscriber is set, where a channel type of each path is different;

sending as many request messages as the number of paths successively from the subscriber to the switching system;

securing the bandwidth required for all paths set to provide the service for a subscriber between the service provider and the subscriber when a number of request messages reaches the number of paths set in the request message for the first path.

B&M  
16. (TWICE AMENDED) A path setting control method of setting multiple paths for a service provided from service provider to a subscriber via a switching system, comprising:

sending a request message from the subscriber to the switching system to set, in order of large bandwidth to small bandwidth, the various bandwidth which correspond to multiple paths required to provide the service, where a channel type of each path is different; and

securing the bandwidth required between the service provider and the subscriber in order of large bandwidth to small bandwidth in response to the request message.